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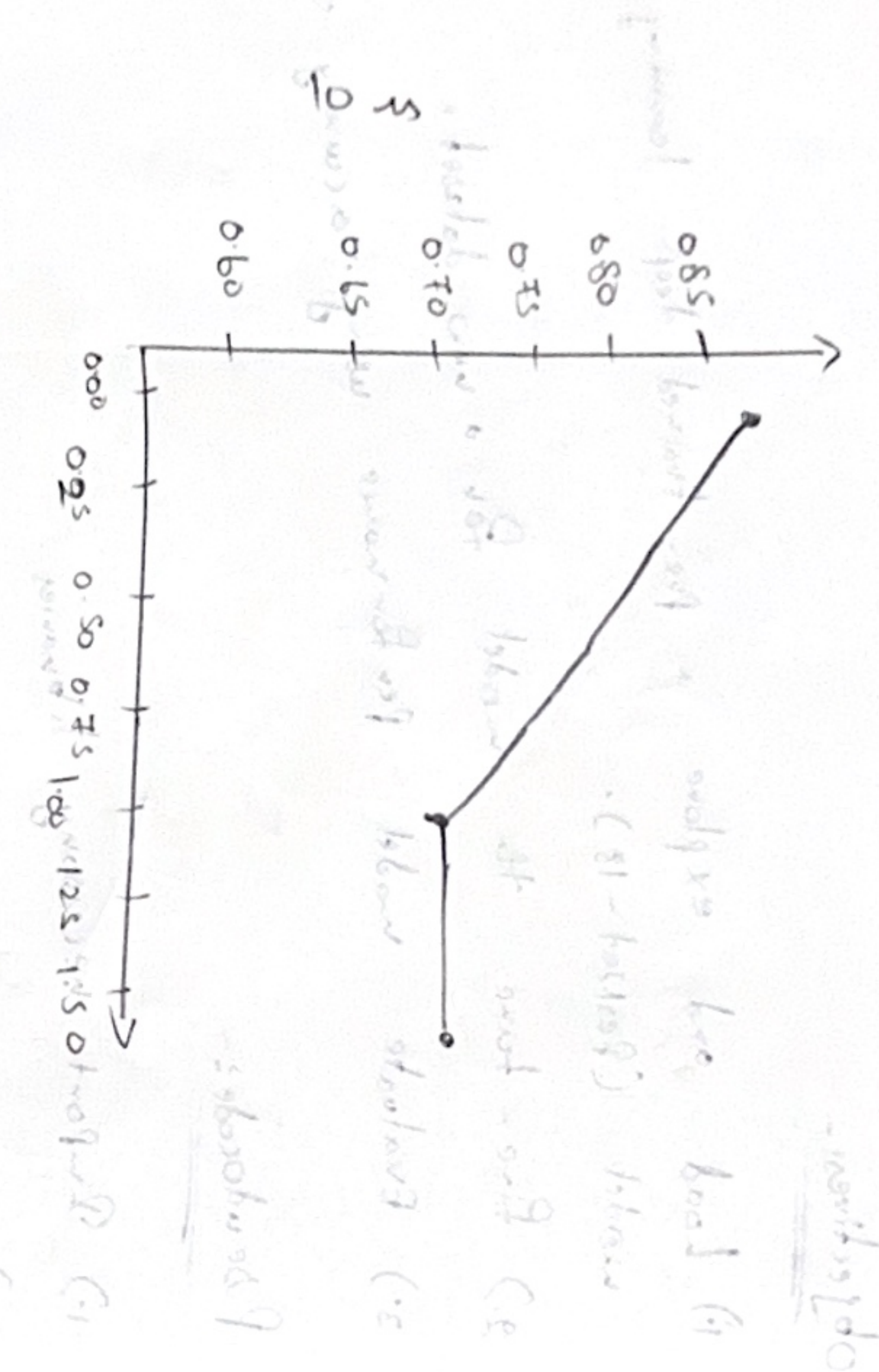
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Model based on 20 epochs. It is better than all.

From graph we can see that the loss is decreasing as the number of epochs increases. (Training loss vs Epochs)



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Observation:

- 1) The Pre-trained ResNet 18 model converged faster because initial weights were already learned from ImageNet.
- 2) Training loss decreased across epochs, showing effective fine-tuning.
- 3) Accuracy improved even with few epochs and limited training.

Result:

Successfully implemented a pre-trained ResNet model. The classification performance on the CIFAR-10 dataset using transfer learning. Demonstrated training time and improved model.